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AMENDMENTS TO THE CLAIMS

Claims 1-18. (Canceled)

- 19. (Previously presented) A scanning electron microscope comprising an electron source, a focusing lens for focusing a primary electron beam emitted by said electron source, and an energy filter for energy-filtering an electron emitted by a sample, the scanning electron microscope further comprising a first detector for detecting the energy-filtered electron, and a second detector for detecting a non-energy filtered electron.
- 20. (Previously presented) The scanning electron microscope according to claim 19, further comprising a control apparatus for calculating a ratio of an output of said first detector to that of said second detector as an energy-filtering voltage is varied.
- 21. (Previously presented) The scanning electron microscope according to claim 19, further comprising an accelerating tube disposed between said energy filter and said sample for accelerating said primary electron beam.
- 22. (Previously presented) The scanning electron microscope according to claim 19, further comprising an accelerating tube disposed between said energy filter and said sample for accelerating said primary electron beam, wherein a voltage-applying member is provided for drawing secondary electrons towards said first and second detectors in said accelerating tube.
- 23. (Previously presented) The scanning electron microscope according to claim 19, further comprising a negative-voltage applying power source for applying a negative voltage to said sample.

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- 24. (Previously presented) The scanning electron microscope according to claim 19, wherein said energy filter includes a filter mesh to which a negative voltage is applied, and a shield mesh disposed between said filter mesh and said sample.
- 25. (Previously presented) The scanning electron microscope according to claim 24, wherein said filter mesh is located in the shade of said shield mesh when seen from said sample.
- 26. (Currently amended) A scanning electron microscope comprising an electron source, a focusing lens for focusing a primary electron beam emitted by said electron source, and an energy filter for energy-filtering electrons emitted by a sample, the scanning electron microscope further comprising:
 - a detector for detecting an energy-filtered electron;
 - a detector for detecting a non-energy filtered electron; and
- a control apparatus for determining whether a wire formed on said sample is normal or defective based on the output outputs of said detectors.
- 27. (Currently amended) A wiring examination method [[for]], comprising the steps of:

irradiating a wire formed on a sample with a primary electron beam [[and]]; detecting electrons energy-filtered by an energy filter, wherein; and

determining whether said wire is normal or defective is determined based on an output of a detector that detects an electron emitted by said wire as an energy-filter voltage is varied.

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28. (Previously presented) The wiring examination method according to claim 27, wherein the determination is based on a change in the output of said detector as said energy-filter voltage is varied.

- 29. (Currently amended) The wiring examination method according to claim .

 27, wherein said wire is a contract contact wire formed in a contact hole.
- 30. (Previously presented) The wiring examination method according to claim 27, wherein the determination is based on a difference in the output of said detector that detects energy-filtered electron and of a detector that detects non-energy filtered electron.